



Next generation H2 Fuel Cell Truck

Introducing Europa – the first hydrogen fuel cell electric truck that doesn't require compromises. With a range of over 1000 km and the ability to pull any ISO trailer (13.6 m / 45 ft container), Europa offers a similar payload capacity and workflow as its diesel equivalent. But unlike diesel trucks, Europa is emission-free and runs on 100% hydrogen, making it the ideal choice for companies looking to reduce their environmental impact.



Introduction.

The Europa truck is based on the proven conventional Mercedes-Benz Actros chassis and powered by zepp. solutions' heavy-duty X150 fuel cell system and proprietary hydrogen storage system.

The current Europa model, First Edition, already offers the longest range available in the 350 bar segment. Starting 2026, the Europa Series Edition will be available in a 700 bar configuration, boosting its range to over 1000 km on a single fill.

With its 4x2 and 6x2 configurations and the sleeper cab, Europa has been designed to be the zero-emission replacement for the most commonly deployed truck configuration in Europe.

Options for low-deck and/or ADR approved configurations are available upon request.

The hydrogen propulsion system is based on the zepp. solutions X150 heavy-duty fuel cell system.

This system technology has been proven in various heavy-duty applications and is also available as a stand-alone unit for integration into other applications, such as heavy construction machinery and vessels.

Benefits.

Full payload capacity

The EU increased the GCWR for zero-emission N3 vehicles from 40t to 42t. This gives room to achieve similar payload capacities with Europa compared to its slightly lighter diesel counterparts.

No length restriction

Clever engineering to ensure full ISO trailer compatibility. Standard 13.6 m / 45 ft containers are no problem, just like for conventional diesel-tractors.

High-performance

Zero-emission can be without compromise: Europa offers > 400 kW of traction power and delivers more than 1000 km of range in the 700 bar configuration.

Safe

Safety has the highest priority. Europa and the internal hydrogen fuel cell module are built according to European standards and equipped with internal hydrogen leakage detection and ventilation.

Quick refueling

With hydrogen refueling stations becoming more widely available, it takes less than 20 minutes¹ to fill up the Europa truck.

Competitive TCO

Europa's high efficiency, long range and quick refueling capabilities make for an attractive TCO compared to zero-emission alternatives. TCO calculation tool is available.

Specifications.

	Europa First Edition	Europa Series Edition
Hydrogen storage pressure	350 bar	700 bar
Hydrogen storage capacity (usable)	58.8 kg	78 kg
Electrical energy content after conversion	> 900 kWh	> 1415 kWh
Battery capacity	100 kWh	> 125 kWh
Operational range (loaded)	> 700 km	> 1000 km
Axle configuration	4x2	4x2 and 6x2 (LowLiner available)
Vehicle weight	10.6 tonnes	4x2: 10 tonnes, 6x2: 10.5 tonnes
GCWR	50 tonnes	50 tonnes
Operational		ADR (option), LHV/LZV capable
Trailer compatibility	13.6 m / 45 ft container	13.6 m / 45 ft container
Fuel cell power (continuous)	150 kW	150 kW
Traction power (continuous)	> 400 kW	> 400 kW
Refueling time ¹	< 20 min	< 20 min
Chassis base	Mercedes-Benz Actros	Mercedes-Benz Actros ProCabin (Stream-, Big-, GigaSpace)
Sleeper cab	Yes, single (200 x 75 cm)	Yes, double (220 x 75 cm)
Availability	Q2 2025	Q3 2026

¹ Based on current reference technology

Specifications can be subject to change without notice.



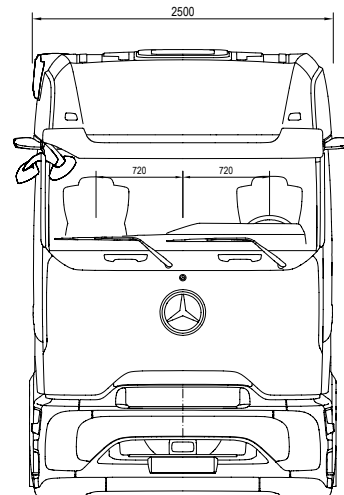
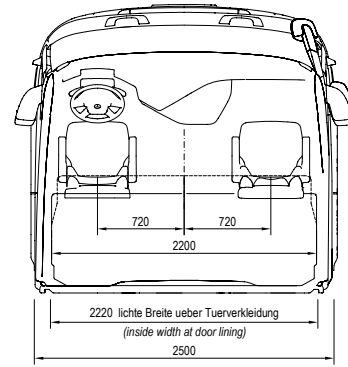
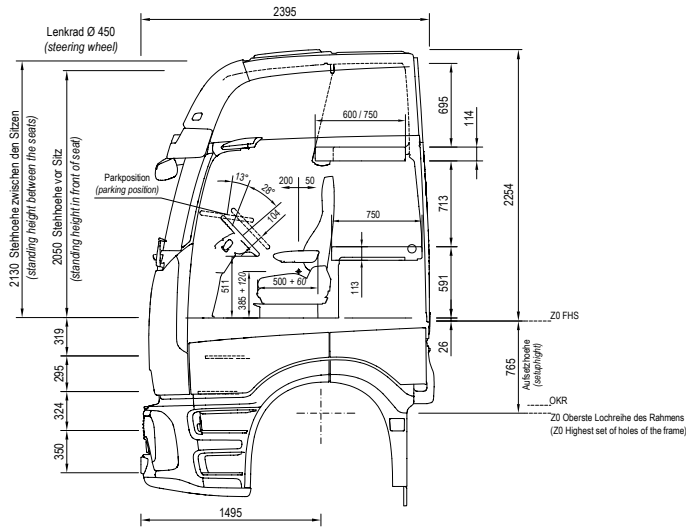
Europa Series Edition - 4x2: 5th wheel load: 9 tonnes



Europa Series Edition - 6x2: 5th wheel load: 12-16.5 tonnes (depending on configuration)

Cabin.

The Europa Series Edition is based on the proven Mercedes Actros ProCabin chassis. All options that are available in standard Mercedes Actros cabins are also available for Europa. This includes, but is not limited to, a full-size comfort bed with slatted base, folding tables, various storage compartments and an optional 25 L fridge.



Servicing.

The vehicle is designed so that regular maintenance and servicing can be performed in existing commercial vehicle workshops. Work on the chassis, powertrain, suspension, and vehicle electrical system can be carried out by qualified truck workshops, provided that the usual hydrogen safety precautions, such as H2 sensors, are in place.

zepp.solutions provides technical support for the hydrogen system(s). This support is provided through specialized service partners as well as by zepp.solutions' own technicians in a mobile service model. This ensures that expert service is available at all times, even in regions where a local partner network has not yet been established.

Availability.

Europa First Edition entered road customer trials in 2025. Delivery of Series Edition vehicles is planned for 2026.

Interested in experiencing one of our Europa trucks, or do you want to learn more about what Europa could do for your operations? Visit zepp.solutions/Europa to learn more, or get in touch:

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Europa First Edition - Exterior



Europa Series Edition - Cockpit view



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